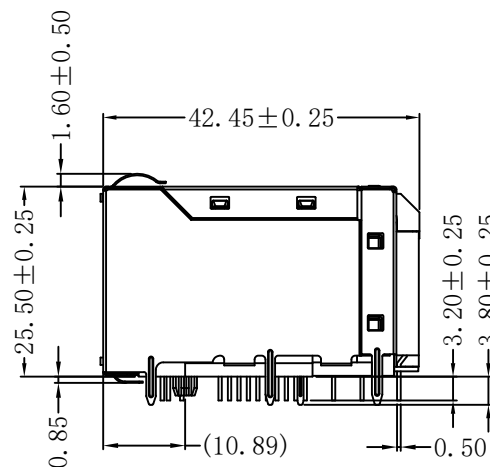
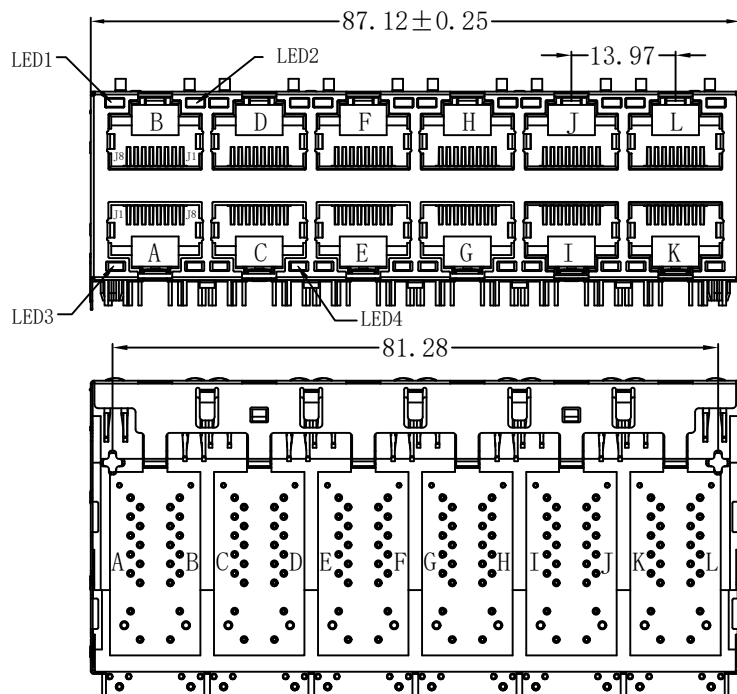
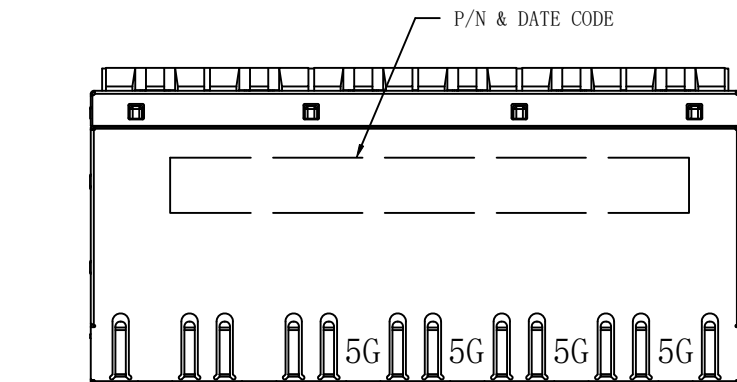


MECHANICAL DIMENSION

REV.	ECN. NO.	NAME	DATE



1.MATERIALS AND FINISH

HOUSING: GLASS FILLED POLYESTER UL94V-0 PANTONE BLACK
 CONTACT: PHOSPHOR BRONZE T=0.35MM FLAT PIN
 PLATING: 30u" GOLD PLATING OVER NICKEL
 SHIELD: 0.20mm THICKNESS COPPER ALLOY WITH NICKEL PLATED
 PCB RETENTION FRE-SOLDER: 1LB MIN.
 SIGNAL PINS:100U" TIN(SN)PLATING FINISH MIN OVER NICKEL.

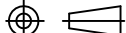
2.MECHANICAL CHARACTERISTICS

DURABILITY: 750(MODULAR JACK) INSERTION/PLUG DIMENSION CYCLES

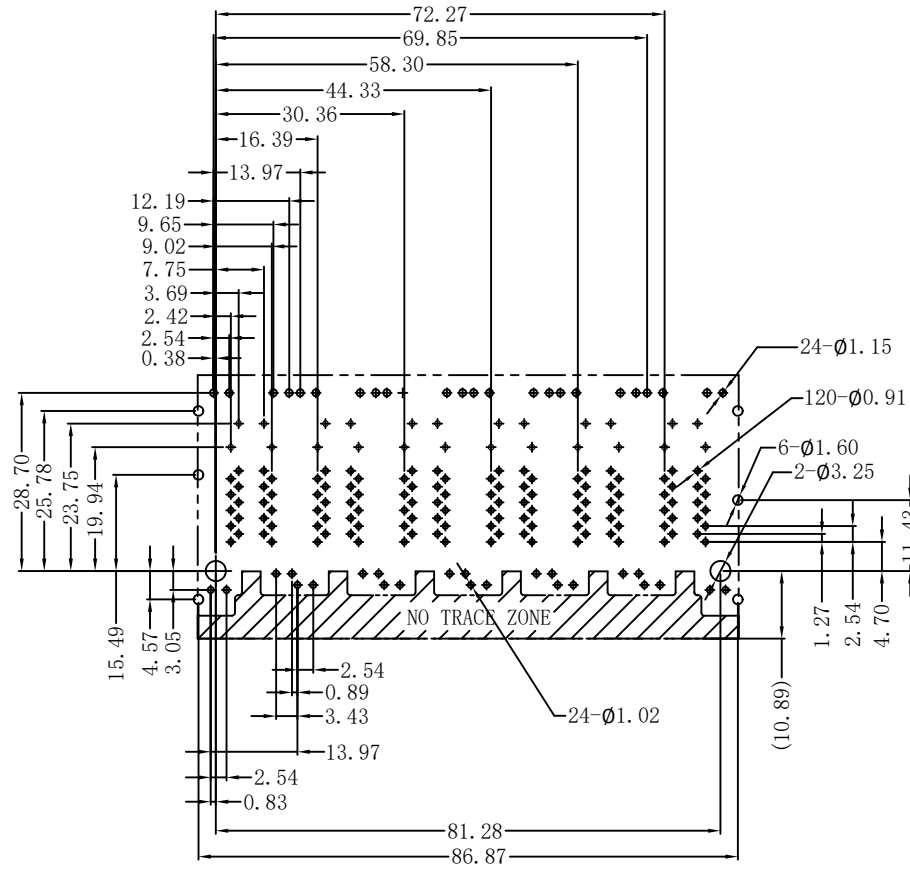
3.ENVIRONMENTAL

OPERATING TEMPERATURE: -40℃~+85℃
 STORAGE TEMPERATURE: -40℃~+85℃

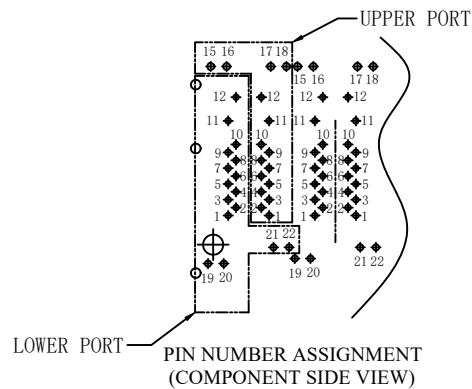
RoHS Compliant

TOLERANCE UNSPECIFIED		 a vital connector company		FOR YOUR VITAL CONNECTION	
.0	± 0.38			TITLE: 1G/5G BASE-T RJ45 2X6 WITH LED POE PLUS	
.00	± 0.25	DRAWN BY: BECKER		PART NO: J26WD14A6NP02	REV: A
.000	± 0.10	CHECKED BY: VTA		SIZE: A4	UNIT:mm
ANGLE	± 3.00°	APPROVED BY: QPF		PROJECTION	SHEET:10F6
MANUFACTURING COPY					FCN: A1
				http://www.vitalconn.com	

RECOMMENDED PCB LAYOUT AND LED:

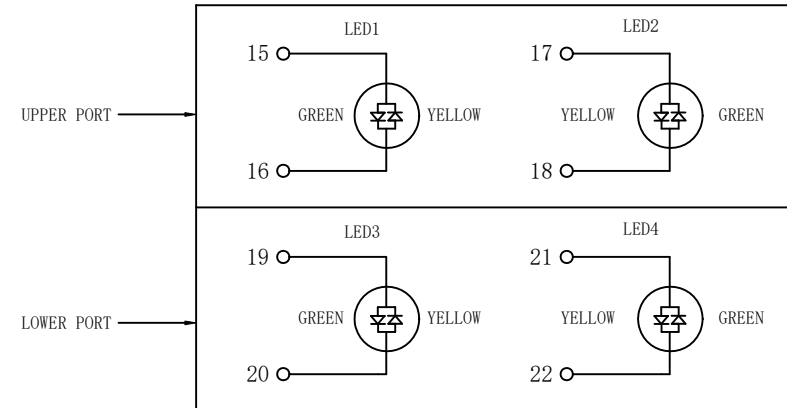


SUGGESTED PCB BOARD LAYOUT
VIEWED FROM COMPONENT SIDE



PIN NUMBER ASSIGNMENT
(COMPONENT SIDE VIEW)

REV.	ECN. NO.	NAME	DATE

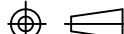


LED ELECTRICAL / OPTICAL CHARACTERISTICS:

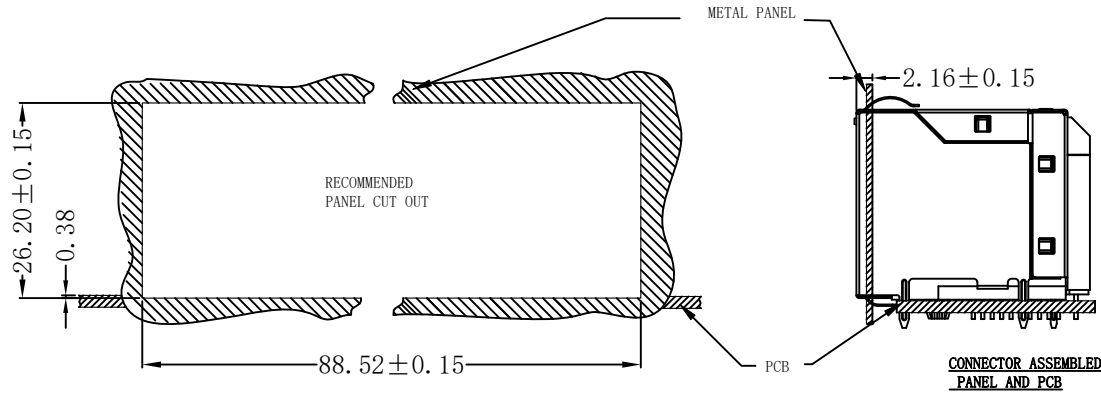
LED 1 POLARITY			LED 2 POLARITY		
15	16	COLOR	17	18	COLOR
+	-	GREEN	+	-	YELLOW
-	+	YELLOW	-	+	GREEN
LED 3 POLARITY			LED 4 POLARITY		
19	20	COLOR	21	22	COLOR
+	-	GREEN	+	-	YELLOW
-	+	YELLOW	-	+	GREEN

COLOR	IF	VF (FORWARD VOLTAGE)	λ D DOMINANT WAVELENGTH
GREEN	20mA	2.2 V	565nm
YELLOW	20mA	2.1 V	590nm

RoHS Compliant

TOLERANCE UNSPECIFIED . .0 ± 0.38 .00 ± 0.25 .000 ± 0.10 ANGLE ± 3.00° MANUFACTURING COPY		VITALCONN a vital connector company		FOR YOUR VITAL CONNECTION	
		TITLE: 1G/5G BASE-T RJ45 2X6 WITH LED POE PLUS			
DRAWN BY:	BECKER	PART NO:	J26WD14A6NP02		REV: A
CHECKED BY:	VTA	SIZE: A4	UNIT:mm	SHEET:20F6	FCN: A1
APPROVED BY:	QPF	PROJECTION			http://www.vitalconn.com

SUGGESTED PANEL OPENING

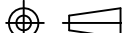


NOTE:

THE DISTANCE OF PANEL INSIDE SURFACE RELATIVE TO FRONT SURFACE OF PART IS ONLY A SUGGESTION.
IN CASE THIS DISTANCE IS DIFFERENT, THE REQUIRED PANEL OPENING DIMENSIONS CHANGE ACCORDINGLY.

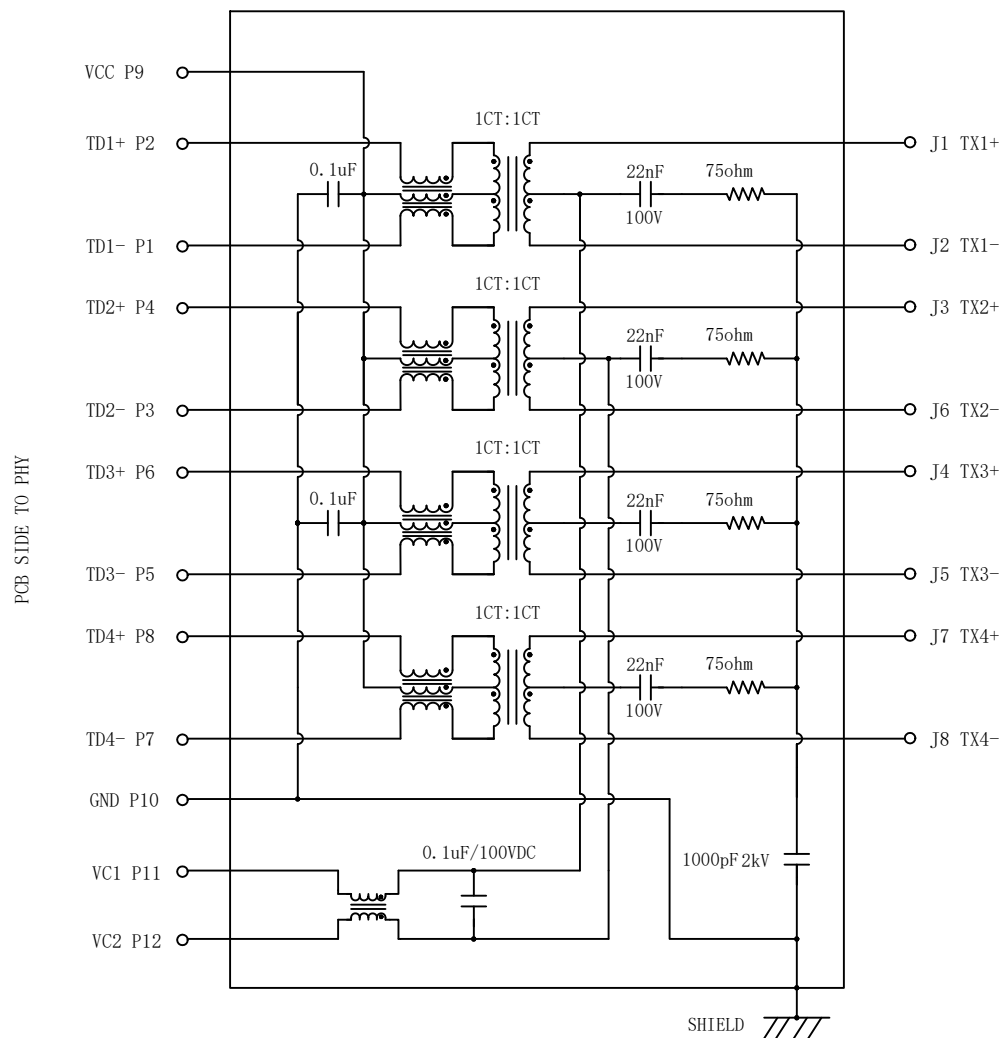
RoHS Compliant

REV.	ECN. NO.	NAME	DATE

TOLERANCE UNSPECIFIED . .0 ± 0.38 .00 ± 0.25 .000 ± 0.10 ANGLE ± 3.00° MANUFACTURING COPY		VITALCON a vital connector company		FOR YOUR VITAL CONNECTION	
		TITLE: 1G/5G BASE-T RJ45 2X6 WITH LED POE PLUS			
DRAWN BY:	BECKER	PART NO:	J26WD14A6NP02		REV: A
CHECKED BY:	VTA	SIZE: A4	UNIT:mm	SHEET:30F6	FCN: A1
APPROVED BY:	QPF	PROJECTION			http://www.vitalconn.com

SCHEMATIC:

PORTA TO PORT D (1G POE PLUS)



ELECTRICAL CHARACTERISTICS @ 25°C

TURN RATIO:

(P2-P1):(J1-J2)=1:1 ±3%.

(P4-P3):(J3-J6)=1:1 ±3%.

(P6-P5):(J4-J5)=1:1 ±3%.

(P8-P7):(J7-J8)=1:1 ±3%.

PRIMARY INDUCTANCE:

FOR CHANNEL 1 AND CHANNEL 2

350uH MIN. @100KHz,100mVRMS,11mA DC BIAS

120uH MIN. @100KHz,100mVRMS,19mA DC BIAS

FOR CHANNEL 3 AND CHANNEL 4

350uH MIN. @100KHz,100mVRMS,8mA DC BIAS

HI-POT TEST:

PCB SIDE TO CABLE SIDE 2250VDC.

Insertion Loss:

0.3MHz~1MHz -1.1dB MAX.

1MHz~65MHz -0.8dB MAX.

65MHz~100MHz -1.1dB MAX.

100MHz~125MHz -2.0dB MAX.

Return Loss:(Load:100 ohms)

1MHz~40 MHz -16dB MIN

40MHz~100 MHz -16+20Log(F/80)dB MIN .

Cross Talk:

1MHz~40MHz -30dB MIN.

40MHz~100 MHz -33+20log(F/50)dB MIN.

CM to CM Rejection:

1MHz~100 MHz -30dB MIN.

CM to DM Rejection:

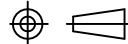
1MHz~100 MHz -30dB MIN.

BALANCED DC LINE CURRENT:

600 mA MAX. @ 57 VDC CONTINUOUS

1.2A MAX. @ 57 VDC FOR 200 MILLISECONDS

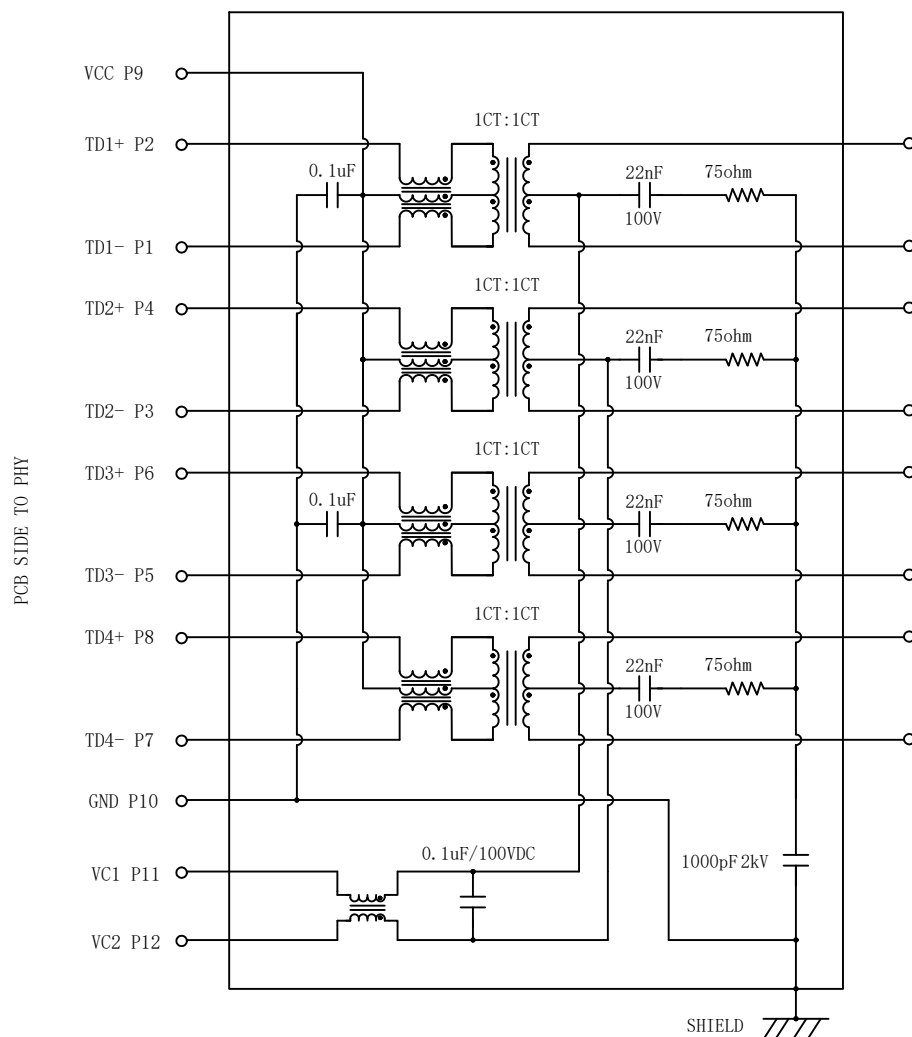
RoHS Compliant

TOLERANCE UNSPECIFIED . .0 ± 0.38 .00 ± 0.25 .000 ± 0.10 ANGLE ± 3.00° MANUFACTURING COPY		VITALCONN a vital connector company		FOR YOUR VITAL CONNECTION			
				TITLE: 1G/5G BASE-T RJ45 2X6 WITH LED POE PLUS			
		DRAWN BY:	BECKER	PART NO:	J26WD14A6NP02		REV: A
		CHECKED BY:	VTA	SIZE: A4	UNIT:mm	SHEET:4OF6	FCN: A1
		APPROVED BY:	QPF	PROJECTION			http://www.vitalconn.com

SCHEMATIC:

REV.	ECN. NO.	NAME	DATE

PORT E TO PORT L (5G POE PLUS)



ELECTRICAL CHARACTERISTICS @ 25°C

TURN RATIO:

(P2-P1):(J1-J2)=1:1 ±3%.

(P4-P3):(J3-J6)=1:1 ±3%.

(P6-P5):(J4-J5)=1:1 ±3%.

(P8-P7):(J7-J8)=1:1 ±3%.

PRIMARY INDUCTANCE:

FOR CHANNEL 1 AND CHANNEL 2

180uH MIN. @100KHz,100mVRMS,0mA DC BIAS

120uH MIN. @100KHz,100mVRMS,15mA DC BIAS

FOR CHANNEL 3 AND CHANNEL 4

180uH MIN. @100KHz,100mVRMS,0mA DC BIAS

HI-POT TEST:

PCB SIDE TO CABLE SIDE 2250VDC.

Insertion Loss:

1MHz~50MHz -0.5dB MAX.

50MHz~125MHz -1.1dB MAX.

125MHz~250MHz -1.5dB MAX.

Return Loss:(Load:100 ohms)

1MHz~40 MHz -20dB MIN

40MHz~250 MHz -20+12.5Log(F/40)dB MIN .

Cross Talk:

1MHz~150MHz -30dB MIN.

150MHz~250 MHz -20dB MIN.

CM to CM Rejection:

30MHz~400 MHz -30dB MIN.

CM to DM Rejection:

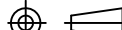
10MHz~250 MHz -45+f/35dB MIN.

BALANCED DC LINE CURRENT:

600 mA MAX. @ 57 VDC CONTINUOUS

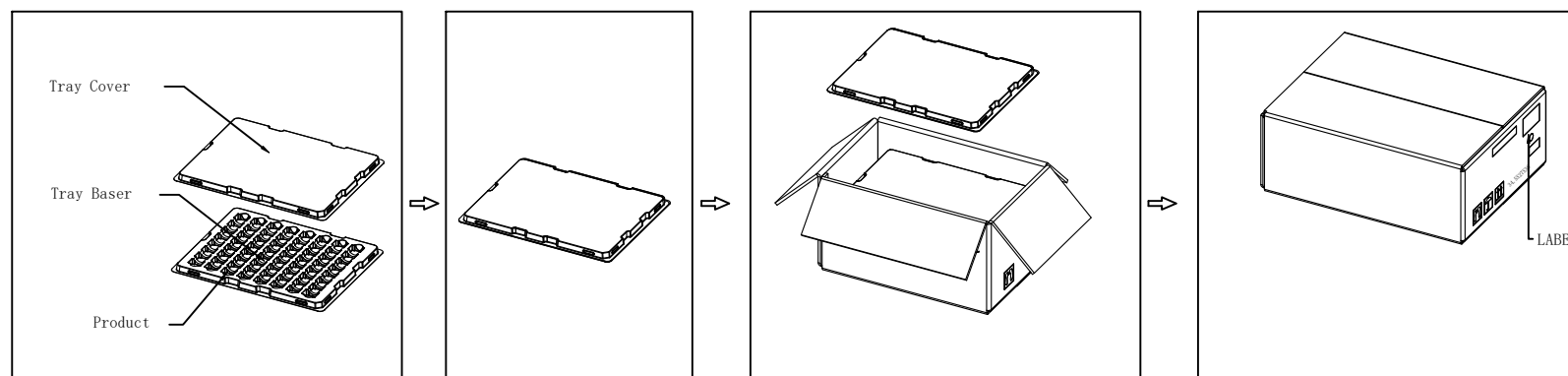
1.2A MAX. @ 57 VDC FOR 200 MILLISECONDS

RoHS Compliant

TOLERANCE UNSPECIFIED . .0 ± 0.38 .00 ± 0.25 .000 ± 0.10 ANGLE ± 3.00* MANUFACTURING COPY		VITALCON a vital connector company		FOR YOUR VITAL CONNECTION	
				TITLE: 1G/5G BASE-T RJ45 2X6 WITH LED POE PLUS	
		DRAWN BY:	BECKER	PART NO:	J26WD14A6NP02
CHECKED BY:	VTA	SIZE: A4	UNIT:mm	SHEET:50F6	FCN: A1
APPROVED BY:	QPF	PROJECTION			http://www.vitalconn.com

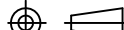
REV.	ECN. NO.	NAME	DATE

PACKAGE INFORMATION AND LABEL



PACKING QUANTITY : 15 PCS FINISHED GOODS PER TRAY
10 TRAYS (150 PCS FINISHED GOODS) PER CARTON BOX

RoHS Compliant

TOLERANCE UNSPECIFIED . .0 ± 0.38 .00 ± 0.25 .000 ± 0.10 ANGLE ± 3.00* MANUFACTURING COPY		VITALCON a vital connector company		FOR YOUR VITAL CONNECTION	
		TITLE: 1G/5G BASE-T RJ45 2X6 WITH LED POE PLUS			
DRAWN BY:	BECKER	PART NO:	J26WD14A6NP02		REV: A
CHECKED BY:	VTA	SIZE: A4	UNIT:mm	SHEET:6OF6	FCN: A1
APPROVED BY:	QPF	PROJECTION		http://www.vitalconn.com	